

**10/566878**

SEQUENCE LISTING

**AP20 Rec'd PCT/PTO 02 FEB 2006**

5    <110>    Fuji Photo Film B.V.

10    <120>    Use of gelatin-like proteins as stabiliser

15    <130>    P209992

20    <160>    2

25    <170>    PatentIn version 3.1

30    <210>    1

35    <211>    1464

40    <212>    PRT

45    <213>    unknown

50    <220>

55    <223>    COL1A1

60    <400>    1

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70    Ala Leu Leu Thr His Gly Gln Glu Glu Gly Gln Val Glu Gly Gln Asp  
       20                  25                  30

75    Glu Asp Ile Pro Pro Ile Thr Cys Val Gln Asn Gly Leu Arg Tyr His  
       35                  40                  45

80    Asp Arg Asp Val Trp Lys Pro Glu Pro Cys Arg Ile Cys Val Cys Asp  
       50                  55                  60

85    Asn Gly Lys Val Leu Cys Asp Asp Val Ile Cys Asp Glu Thr Lys Asn  
       65                  70                  75                  80

90    Cys Pro Gly Ala Glu Val Pro Glu Gly Glu Cys Cys Pro Val Cys Pro  
       85                  90                  95

95    Asp Gly Ser Glu Ser Pro Thr Asp Gln Glu Thr Thr Gly Val Glu Gly

	100	105	110
5	Pro Lys Gly Asp Thr Gly Pro Arg Gly Pro Arg Gly Pro Ala Gly Pro 115 120 125		
10	Pro Gly Arg Asp Gly Ile Pro Gly Gln Pro Gly Leu Pro Gly Pro Pro 130 135 140		
15	Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Leu Gly Gly Asn Phe Ala 145 150 155 160		
20	Pro Gln Leu Ser Tyr Gly Tyr Asp Glu Lys Ser Thr Gly Gly Ile Ser 165 170 175		
25	Val Pro Gly Pro Met Gly Pro Ser Gly Pro Arg Gly Leu Pro Gly Pro 180 185 190		
30	Pro Gly Ala Pro Gly Pro Gln Gly Phe Gln Gly Pro Pro Gly Glu Pro 195 200 205		
35	Gly Glu Pro Gly Ala Ser Gly Pro Met Gly Pro Arg Gly Pro Pro Gly 210 215 220		
40	Pro Pro Gly Lys Asn Gly Asp Asp Gly Glu Ala Gly Lys Pro Gly Arg 225 230 235 240		
45	Pro Gly Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg Gly Leu Pro 245 250 255		
50	Gly Thr Ala Gly Leu Pro Gly Met Lys Gly His Arg Gly Phe Ser Gly 260 265 270		
55	Leu Asp Gly Ala Lys Gly Asp Ala Gly Pro Ala Gly Pro Lys Gly Glu 275 280 285		
60	Pro Gly Ser Pro Gly Glu Asn Gly Ala Pro Gly Gln Met Gly Pro Arg 290 295 300		
65	Gly Leu Pro Gly Glu Arg Gly Arg Pro Gly Ala Pro Gly Pro Ala Gly 305 310 315 320		
	Ala Arg Gly Asn Asp Gly Ala Thr Gly Ala Ala Gly Pro Pro Gly Pro 325 330 335		
	Thr Gly Pro Ala Gly Pro Pro Gly Phe Pro Gly Ala Val Gly Ala Lys 340 345 350		
	Gly Glu Ala Gly Pro Gln Gly Pro Arg Gly Ser Glu Gly Pro Gln Gly 355 360 365		

Val Arg Gly Glu Pro Gly Pro Pro Gly Pro Ala Gly Ala Ala Gly Pro  
 370 375 380

5

Ala Gly Asn Pro Gly Ala Asp Gly Gln Pro Gly Ala Lys Gly Ala Asn  
 385 390 395 400

10

Gly Ala Pro Gly Ile Ala Gly Ala Pro Gly Phe Pro Gly Ala Arg Gly  
 405 410 415

15

Pro Ser Gly Pro Gln Gly Pro Gly Gly Pro Pro Gly Pro Lys Gly Asn  
 420 425 430

20

Ser Gly Glu Pro Gly Ala Pro Gly Ser Lys Gly Asp Thr Gly Ala Lys  
 435 440 445

25

Gly Glu Pro Gly Pro Val Gly Val Gln Gly Pro Pro Gly Pro Ala Gly  
 450 455 460

30

Glu Glu Gly Lys Arg Gly Ala Arg Gly Glu Pro Gly Pro Thr Gly Leu  
 465 470 475 480

35

Pro Gly Pro Pro Gly Glu Arg Gly Gly Pro Gly Ser Arg Gly Phe Pro  
 485 490 495

40

Gly Ala Asp Gly Val Ala Gly Pro Lys Gly Pro Ala Gly Glu Arg Gly  
 500 505 510

45

Ser Pro Gly Pro Ala Gly Pro Lys Gly Ser Pro Gly Glu Ala Gly Arg  
 515 520 525

50

Pro Gly Glu Ala Gly Leu Pro Gly Ala Lys Gly Leu Thr Gly Ser Pro  
 530 535 540

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Gly Ser Pro Gly Pro Asp Gly Lys Thr Gly Pro Pro Gly Pro Ala Gly  
 545 550 555 560

60

Gln Asp Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Ala Arg Gly Gln  
 565 570 575

65

Ala Gly Val Met Gly Phe Pro Gly Pro Lys Gly Ala Ala Gly Glu Pro  
 580 585 590

Gly Lys Ala Gly Glu Arg Gly Val Pro Gly Pro Pro Gly Ala Val Gly  
 595 600 605

Pro Ala Gly Lys Asp Gly Glu Ala Gly Ala Gln Gly Pro Pro Gly Pro  
 610 615 620

Ala Gly Pro Ala Gly Glu Arg Gly Glu Gln Gly Pro Ala Gly Ser Pro  
 625 630 635 640  
 5 Gly Phe Gln Gly Leu Pro Gly Pro Ala Gly Pro Pro Gly Glu Ala Gly  
 645 650 655  
 10 Lys Pro Gly Glu Gln Gly Val Pro Gly Asp Leu Gly Ala Pro Gly Pro  
 660 665 670  
 15 Ser Gly Ala Arg Gly Glu Arg Gly Phe Pro Gly Glu Arg Gly Val Gln  
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 690 695 700  
 25 Asn Asp Gly Ala Lys Gly Asp Ala Gly Ala Pro Gly Ala Pro Gly Ser  
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 30 Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala  
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 35 Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala Gly Pro Lys Gly  
 740 745 750  
 40 Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly Leu Thr Gly Pro  
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 45 Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Asp Lys Gly Glu Ser  
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 50 Gly Pro Ser Gly Pro Ala Gly Pro Thr Gly Ala Arg Gly Ala Pro Gly  
 785 790 795 800  
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 820 825 830  
 65 Gly Ala Lys Gly Asp Ala Gly Pro Pro Gly Pro Ala Gly Pro Ala Gly  
 835 840 845  
 70 Pro Pro Gly Pro Ile Gly Asn Val Gly Ala Pro Gly Ala Lys Gly Ala  
 850 855 860  
 75 Arg Gly Ser Ala Gly Pro Pro Gly Ala Thr Gly Phe Pro Gly Ala Ala  
 865 870 875 880

Gly Arg Val Gly Pro Pro Gly Pro Ser Gly Asn Ala Gly Pro Pro Gly  
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 5 Pro Pro Gly Pro Ala Gly Lys Glu Gly Gly Lys Gly Pro Arg Gly Glu  
 900 905 910  
 10 Thr Gly Pro Ala Gly Arg Pro Gly Glu Val Gly Pro Pro Gly Pro Pro  
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 15 Gly Pro Ala Gly Glu Lys Gly Ser Pro Gly Ala Asp Gly Pro Ala Gly  
 930 935 940  
 20 Ala Pro Gly Thr Pro Gly Pro Gln Gly Ile Ala Gly Gln Arg Gly Val  
 945 950 955 960  
 25 Val Gly Leu Pro Gly Gln Arg Gly Glu Arg Gly Phe Pro Gly Leu Pro  
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 Gly Pro Ser Gly Glu Pro Gly Lys Gln Gly Pro Ser Gly Ala Ser Gly  
 980 985 990  
 30 Glu Arg Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Leu Ala Gly Pro  
 995 1000 1005  
 35 Pro Gly Glu Ser Gly Arg Glu Gly Ala Pro Gly Ala Glu Gly Ser  
 1010 1015 1020  
 40 Pro Gly Arg Asp Gly Ser Pro Gly Ala Lys Gly Asp Arg Gly Glu  
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 45 Thr Gly Pro Ala Gly Pro Pro Gly Ala Pro Gly Ala Pro Gly Ala  
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 1055 1060 1065  
 50 Thr Gly Pro Ala Gly Pro Ala Gly Pro Val Gly Pro Ala Gly Ala  
 1070 1075 1080  
 55 Arg Gly Pro Ala Gly Pro Gln Gly Pro Arg Gly Asp Lys Gly Glu  
 1085 1090 1095  
 60 Thr Gly Glu Gln Gly Asp Arg Gly Ile Lys Gly His Arg Gly Phe  
 1100 1105 1110  
 65 Ser Gly Leu Gln Gly Pro Pro Gly Pro Pro Gly Ser Pro Gly Glu  
 1115 1120 1125

	Gln Gly	Pro Ser Gly Ala Ser	Gly Pro Ala Gly Pro	Arg Gly Pro
	1130	1135	1140	
5	Pro Gly	Ser Ala Gly Ala Pro	Gly Lys Asp Gly Leu	Asn Gly Leu
	1145	1150	1155	
10	Pro Gly	Pro Ile Gly Pro Pro	Gly Pro Arg Gly Arg	Thr Gly Asp
	1160	1165	1170	
15	Ala Gly	Pro Val Gly Pro Pro	Gly Pro Pro Gly Pro	Pro Gly Pro
	1175	1180	1185	
20	Pro Gly	Pro Pro Ser Ala Gly	Phe Asp Phe Ser Phe	Leu Pro Gln
	1190	1195	1200	
25	Pro Pro	Gln Glu Lys Ala His	Asp Gly Gly Arg Tyr	Tyr Arg Ala
	1205	1210	1215	
30	Asp Asp	Ala Asn Val Val Arg	Asp Arg Asp Leu Glu	Val Asp Thr
	1220	1225	1230	
35	Thr Leu	Lys Ser Leu Ser Gln	Gln Ile Glu Asn Ile	Arg Ser Pro
	1235	1240	1245	
40	Glu Gly	Ser Arg Lys Asn Pro	Ala Arg Thr Cys Arg	Asp Leu Lys
	1250	1255	1260	
45	Met Cys	His Ser Asp Trp Lys	Ser Gly Glu Tyr Trp	Ile Asp Pro
	1265	1270	1275	
50	Asn Gln	Gly Cys Asn Leu Asp	Ala Ile Lys Val Phe	Cys Asn Met
	1280	1285	1290	
55	Glu Thr	Gly Glu Thr Cys Val	Tyr Pro Thr Gln Pro	Ser Val Ala
	1295	1300	1305	
60	Gln Lys	Asn Trp Tyr Ile Ser	Lys Asn Pro Lys Asp	Lys Arg His
	1310	1315	1320	
65	Val Trp	Phe Gly Glu Ser Met	Thr Asp Gly Phe Gln	Phe Glu Tyr
	1325	1330	1335	
70	Gly Gly	Gln Gly Ser Asp Pro	Ala Asp Val Ala Ile	Gln Leu Thr
	1340	1345	1350	
75	Phe Leu	Arg Leu Met Ser Thr	Glu Ala Ser Gln Asn	Ile Thr Tyr
	1355	1360	1365	

His Cys Lys Asn Ser Val Ala Tyr Met Asp Gln Gln Thr Gly Asn  
 1370 1375 1380  
 5  
 Leu Lys Lys Ala Leu Leu Leu Lys Gly Ser Asn Glu Ile Glu Ile  
 1385 1390 1395  
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 Arg Ala Glu Gly Asn Ser Arg Phe Thr Tyr Ser Val Thr Val Asp  
 1400 1405 1410  
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 Gly Cys Thr Ser His Thr Gly Ala Trp Gly Lys Thr Val Ile Glu  
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 Tyr Lys Thr Thr Lys Thr Ser Arg Leu Pro Ile Ile Asp Val Ala  
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 Gly Ala Arg Gly Pro Ala  
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